

Dr Rambabu Yalavarthi

List of Publications by Year in descending order

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17
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#	ARTICLE	IF	CITATIONS
1	Controlling phase fraction and crystal orientation via thermal oxidation of iron foils for enhanced photoelectrochemical performance. <i>Catalysis Today</i> , 2021, 361, 117-123.	2.2	4
2	Elucidating the role of surface states of BiVO ₄ with Mo doping and a CoOOH co-catalyst for photoelectrochemical water splitting. <i>Journal of Power Sources</i> , 2021, 483, 229080.	4.0	46
3	Nanoscale Assembly of BiVO ₄ /CdS/CoO _x Core-Shell Heterojunction for Enhanced Photoelectrochemical Water Splitting. <i>Catalysts</i> , 2021, 11, 682.	1.6	7
4	Enhancing Photoelectrochemical Energy Storage by Large-Area CdS-Coated Nickel Nanoantenna Arrays. <i>ACS Applied Energy Materials</i> , 2021, 4, 11367-11376.	2.5	10
5	FeO-based nanostructures and nanohybrids for photoelectrochemical water splitting. <i>Progress in Materials Science</i> , 2020, 110, 100632.	16.0	47
6	In situ characterizations of photoelectrochemical cells for solar fuels and chemicals. <i>MRS Energy & Sustainability</i> , 2020, 7, 1.	1.3	11
7	Multi-Leg TiO ₂ Nanotube Photoelectrodes Modified by Platinized Cyanographene with Enhanced Photoelectrochemical Performance. <i>Catalysts</i> , 2020, 10, 717.	1.6	9
8	High photoelectrochemical performance of reduced graphene oxide wrapped, CdS functionalized, TiO ₂ multi-leg nanotubes. <i>Nanotechnology</i> , 2020, 31, 275701.	1.3	8
9	Photocatalytic reduction of carbon dioxide using graphene oxide wrapped TiO ₂ nanotubes. <i>Applied Surface Science</i> , 2019, 485, 48-55.	3.1	69
10	Radiative and Non-Radiative Recombination Pathways in Mixed-Phase TiO ₂ Nanotubes for PEC Water-Splitting. <i>Catalysts</i> , 2019, 9, 204.	1.6	38
11	TiO ₂ Nanotubes on Transparent Substrates: Control of Film Microstructure and Photoelectrochemical Water Splitting Performance. <i>Catalysts</i> , 2018, 8, 25.	1.6	19
12	Photo-electrochemical properties of graphene wrapped hierarchically branched nanostructures obtained through hydrothermally transformed TiO ₂ nanotubes. <i>Nanotechnology</i> , 2017, 28, 405706.	1.3	9
13	Probing the charge recombination in rGO decorated mixed phase (anatase-rutile) TiO ₂ multi-leg nanotubes. <i>AIP Advances</i> , 2016, 6, .	0.6	16
14	Enhanced Photo-Electrochemical Performance of Reduced Graphene-Oxide Wrapped TiO ₂ Multi-Leg Nanotubes. <i>Journal of the Electrochemical Society</i> , 2016, 163, H652-H656.	1.3	15
15	Graphene Oxide Modified TiO ₂ Micro Whiskers and Their Photo Electrochemical Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4835-4839.	0.9	0
16	Effect of annealing temperature on the phase transition, structural stability and photo-electrochemical performance of TiO ₂ multi-leg nanotubes. <i>Catalysis Today</i> , 2016, 278, 255-261.	2.2	29
17	Enhanced photoelectrochemical performance of multi-leg TiO ₂ nanotubes through efficient light harvesting. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 295302.	1.3	26